

Date: Thu, 17 Jun 93 08:00:43 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #741  
To: Info-Hams

Info-Hams Digest                      Thu, 17 Jun 93                      Volume 93 : Issue    741

Today's Topics:

    6/16/93 Mid-Atlantic 6 MTR Opening/ E-SKIP  
        Callbook server  
    Commercial radio modifications  
        Field Day Power.  
    Field day rules question (ARRL)  
    First Rpt of 93 144Mc E-SKIP Opening/ June 9th  
        N connectors for RG-58?  
    Need tubes for Nazi field radio (2 msgs)  
    SB200 power supply problems - help please.  
        Surplus in Seattle  
    Ten-Tec Scout Model 555 - ?  
        Test-no need to read

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 17 Jun 93 14:43:10 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!usc!sol.ctr.columbia.edu!NewsWatcher!  
user@network.UCSD.EDU  
Subject: 6/16/93 Mid-Atlantic 6 MTR Opening/ E-SKIP  
To: info-hams@ucsd.edu

Last nights E-skip was from DC/MD/VA to Texas start around 7Pm. Reports of  
CT3 into USA, but not confirmed. Later to Mo;New Mex;Ariz; W.Tex;Ark;Minn  
Beacon/no station on!;Lou. Special rare grids were DM91 and Dm72 ! No 2  
Meter E-skip heard. Closest Grids were EM66 and Ill area. Dick W1DGA

-----  
Date: Mon, 14 Jun 1993 12:36:08 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
darwin.sura.net!knuth.mtsu.edu!raider!theporch!jackatak!root@network.UCSD.EDU  
Subject: Callbook server  
To: info-hams@ucsd.edu

yee@mipg.upenn.edu (Conway Yee) writes:

> >He's a potential user. Who is the database for, if not for its users?  
> I will have to beg to differ. The users have no say in the matter. The  
> fact that the service exists at all is due to the benevolence of a few  
> hams. Those who do not pay for the service have no call to complain.

Whoa there. If the "service" were for pay, and self-sustaining, then a non-paying customer's input would still have some validity, albeit limited, especially if the comment were: "I'd like to use you service, but it fails to meet these needs..."

As for teh callbook servers: well, I am trying to get mine working here. It involves some fairly gnarly technical problems, so I am going slowly, and my users, none of whom pay for access, either to the 'Net News, 'Net e-mail, nor use of my BBS, are being patient. Their input, however, is VERY important to me, and the fact that I have offered some level of service then obliges me to maintain some level into the future, or withstand the inevitable barrage of whining and bitching that follows change and cessation.

By offering this service, whether for fee or for free, the callbook servers have entered the realm of "information utilities" and they have accepted responsibilities to provide an acceptable level of service...or "suffer the slings and arrows" of this hostile mob! ;^)

Since I am having a hard time imagining everyone who posts here as paying for the fully allocated costs of the service they "enjoy" on the 'Net, and since there is an incessant level of whining and bitching that goes on, would you care to level that same argument against your peers on the 'Net? I hope, for your administrators sake, you opt not to, but since I am not paying you, I suppose my opinion on that has no value either, huh? ;^)

If the callsign servers are to be connected, one should have a clue, BEFORE seeking to retrieve callsigns, what the limits of the server are, PARTICULARLY limitations as to currency of data. Charge or no charge, the potential user has the right to know, \*and\* to complain when the service is not up to expectation (or "advertisement").

> That isn't the point. If the user is not willing to pay for the service

BZZZZZZT! Wrong Answer! There is no mechanism to collect or charge for the service, and such a mechanism might jeopardize the buffalo.edu presence on the 'Net, especially given the funding sources for their connection. It was set up to provide a service, and provide that service it does...just the service has far less value now than before because the data is the database in drawing Social Security! ;^)

## 73 ES GUD LUCK WITH CALLSIGN SERVERS

```
+-----+
| Jack GF Hill          |Voice: (615) 459-2636 -           Ham Call: W4PPT |
| P. O. Box 1685        |Modem: (615) 377-5980 -   Bicycling and SCUBA Diving |
| Brentwood, TN 37024  |Fax:   (615) 459-0038 -           Life Member - ARRL |
| root@jackatak.raider.net - "Plus ca chnagez, plus ca la meme chose" |
+-----+
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Can someone please give me a mod to change the Maxon GMRS-21 2-channel 1 watt transceiver to 4 watts? Thank you very much!!

```
--
nick@hotcity.com
```

Does anyone have any opinions on Coleman's Powermate 4000 watt generators? Damark has them on sale for \$600 (plus \$29 shipping).

- John

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+-----+
| John K. Scoggin, Jr.      Email: scoggin@delmarva.com |
| Supervisor, Network Operations      Phone: (302) 451-5200 |
| Delmarva Power & Light Company      Fax: (302) 451-5321 |
| 500 N. Wakefield Drive      NOC: (800) 388-7076 |
| Newark, DE 19714-6066 |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination... |
+-----+
```

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Date: 17 Jun 93 13:21:43 GMT  
From: ogicse!emory!swrinde!gatech!pitt.edu!gvls1!rossi@network.UCSD.EDU  
Subject: Field day rules question (ARRL)  
To: info-hams@ucsd.edu

In article <C8r2Hq.4C1@fmsystem.ncoast.org> andrews@fmsystem.ncoast.org (Andrew Sargent N80FS) writes:

>I need a Field Day question answered ASAP,  
>  
>section 8, part A, subpart 9, says:  
>VHF/UHF: 100 points can be earned by completing at least 10 QSO's  
>(excluding packet contacts) on any band or combination of bands  
>above 50 Mhz (VHF/UHF bands) during the Field Day period. A VHF/  
>UHF station \_(one)\_ does not count as an additional transmitter.  
>This station is not limited to making just 10 QSO's. It may be  
>operated for the entire field day period and all contacts  
>(excluding packet contacts) count for QSO points credit, including  
>the first 10.  
>  
>My club needs some clarification on this rule from the ARRL.  
>  
>Please e-mail me a better explanation of this rule.  
>  
>73 de N80FS

I have another FD question.....

Can a 1B (battery) station claim the bonus points for 100% emergency power?  
Seem like he should but it seems a bit redundant.

I know 100% emergency power means \*everything\* is running independent  
of the mains from radios, lights, accessories, even the coffee pot :-)

=====

Pete Rossi - WA3NNA

rossi@VFL.Paramax.COM

Paramax Systems Corporation - a Unisys Company  
Valley Forge Engineering Center - Paoli, Pennsylvania

=====

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Date: 17 Jun 93 14:36:30 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!math.ohio-state.edu!sol.ctr.columbia.edu!  
NewsWatcher!user@network.UCSD.EDU  
Subject: First Rpt of 93 144Mc E-SKIp Opening/ June 9th  
To: info-hams@ucsd.edu

Just got in first 2 Meter E-Skip opening of 93 for domestic USA. W5YFZ rpts  
his Louisiana station to Why and Col. on June 9th (10th GMT?) around 0600  
GMT. Taken off 6 mtr opening last night via local.

If you enjoy Ham Radio, Fruit trees and exotic fruit, and photos from 1800s  
as well as old cameras and oriental cultural things, then you are a  
potential friend, so contact me. W1DGA on HF(28.885), 2M SSB, 6M SSB,432 &  
1296 SSB.

Researching family names:Bolt;Barkwill/Balkwill/Buckwill  
/Barkwell(England/Canada/USA);Gagnon;Garrah(Canada);Bowman;Cross;Fishleigh;Rockey  
(England). Clark and Buxton on other side.

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Date: Mon, 14 Jun 1993 13:00:36 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
darwin.sura.net!knuth.mtsu.edu!raider!theporch!jackatak!root@network.UCSD.EDU  
Subject: N connectors for RG-58?  
To: info-hams@ucsd.edu

jbs@ee.egr.duke.edu (Joe B. Simpson) writes:

> My Yaesu 5200 showed up yesterday - with the antenna pigtail terminated with  
> an N connector. I suppose I should have anticipated this - but I didn't.  
OK, so calm down and relax. There are plenty of solutions, many of  
them actually might work! ;^)

> I really don't want to  
> use an adapter; I'd like to put an N connector directly on the RG-58.  
> Does anyone know if such a connector is made?  
Yes, at most of the recent hamfest I have been too there have been two  
or more vendors with a box of silver coated "N" connectors that will  
accept a "regular" RG-58 adaptor, the same as fits a PL-259. They are



^^^^^^^^

I didn't want to do this and hesitated. But followups prompt me to ask:  
Is the schematic in Nazi German or in plain German?

Wolf, DL3ZBJ, AB6EL, VK6BGV.

-----  
Date: Thu, 17 Jun 1993 10:30:36 CET  
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!newsserver.jvnc.net!gmd.de!  
dearn!esoc!wkoehler@decwrl.dec.com  
Subject: Need tubes for Nazi field radio  
To: info-hams@ucsd.edu

In article <1993Jun16.162224.27243@leland.Stanford.EDU>,  
paulf@umunhum.stanford.edu (Paul Flaherty) says:  
>  
>In article <1vluv3INN2kn@quasar.genrad.com> tgs@genrad.com (Trevor G. Smith)  
>writes:  
>>In these days of 'politcal correctness' I really must take you to task for  
>>describing your wireless as a "WWII Nazi Field Radio".  
>  
>Actually, this \*is\* the politically correct usage. The idea is that the  
>Allies fought against the Nazis, not the Germans....

I hate to say it, Paul, but you should really think twice before making  
such silly statements. The Allies were at war with Germany (and others),  
not with a faction, although powerful and numerous, of the German people.  
There is no such thing as a Nazi radio, nor could there be any Communist  
radio or Imperialistic radio etc. Any objections?

Wolf, DL3ZBJ, AB6EL, VK6BGV.

-----  
Date: 17 Jun 1993 14:40:34 +0300  
From: pipex!uknet!mcsun!news.funet.fi!butler.cc.tut.fi!lehtori.cc.tut.fi!not-for-  
mail@uunet.uu.net  
Subject: SB200 power supply problems - help please.  
To: info-hams@ucsd.edu

Alan Bloom (alanb@sr.hp.com) wrote:

> Result: Equalizing resistors REDUCE the breakdown voltage of the string!  
> Assuming equal-value resistors, total breakdown voltage = number of diodes  
> times the LOWEST voltage diode in the string. Without the resistors,  
> total breakdown voltage = the sum of all the breakdown voltages.

What is the use of this extra breakdown voltage ? When you design a rectifier stack, you have to assume that the breakdown voltage for each diode is the one specified by the manufacturer (1 kV for 1N4007).

Is it good engineering practice to operate high voltage rectifiers in zener breakdown mode ?

I once replaced the rectifying tubes (double diodes) in two different amplifiers with silicon rectifiers when the original tube types were no longer available. As the high voltage was only about 450 VDC, the required PIV for each rectifier is about 1200 V, so two 1N4007 in series should do the job. As this was only 600 V/diode, no resistors or capacitors were used.

Everything worked OK for a few weeks, but then one diode was blown in one amplifier and a week later the same fault occurred in the other amplifier. After replacing the faulty diodes and after adding the capacitors and resistors, the amplifiers have worked since then for more than a decade.

When I later analyzed the situation, I concluded that the reason for rectifier breakdown might have been some very short reverse peaks caused by switching inductive loads in the vicinity. If the off-state voltage in the diodes are unequal, so is their off-state capacitance and the very short peak voltage was not evenly distributed across the diodes.

When the resistors and capacitors were added, a high peak voltage coming from the primary side of the transformer is damped by the capacitors (and the resistance in the secondary winding of the transformer) and the remaining peak voltage is evenly distributed across the diodes by the capacitors.

It is hard to tell which effect is the most important (damping or evenly distribution) as the size and duration of the peaks are not known.

Maybe they make better diodes today, but the 1N4007s of 1970's vintage are not very robust.

Paul OH3LWR

-----  
Date: Wed, 16 Jun 1993 20:44:58 GMT  
From: ftpbox!mothost!mdisea!uw-coco!quick!ole!ssc!markz@uunet.uu.net  
Subject: Surplus in Seattle



To: info-hams@ucsd.edu

David Josephson (davidj@rahul.net) wrote:

: In <9306140816.aa08299@FSAC3.PICA.ARMY.MIL> cfishman@pica.army.mil (Clark Fishman, FSAC-FCD) writes:

:

: >I am going to Seattle and area for a while.

: >Does anyone in net land know of ham and surplus

: >electronic stores in that area???

:

: There are a few strictly ham and surplus stores. But

: there is one that you must not miss, Boeing Surplus in

: Kent. Go midweek, plan to spend half a day there. Haggle.

Boeing Surplus opens at 11:00 AM on weekdays. Real strange to be there at opening time and see 50 people waiting in the parking lot to get in. Alas, they have closed out most of their electronics, and have switched to auctioning lots. Some test equipment and a lot of computers are still sold retail.

Other Surplus stores

Electronic Dimensions 424 Puyallup Av, Tacoma Test Equipment,  
Components, Radio Equipment, Misc. Stuff

Vetco Electronics 13029 Northrup Wy, Bellevue Test Equipment,  
Components, Robotics

Radio Steve's Old Technology Shop, 7712 Aurora Ave N, Seattle  
Antique Radios and Tools.

Also (primarily new stock distributors with some surplus)

Electronic Supply 250 NE 45th St Seattle

Radar Electric 168 Western Ave W Seattle

Supertronix 18650 68th Ave S Kent

And for new Ham gear Amateur Radio Supply, C-Comm, and  
(maybe) ABC Communications.

And for real industrial ambiance, there's Pacific Industrial  
Supply and Pacific Iron and Metals south of downtown Seattle.

Mark Zenier markz@ssc.wa.com markz@ssc.com

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Date: Thu, 17 Jun 1993 00:20:58 GMT

From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!

knuth.mtsu.edu!raider!theporch!jackatak!martinbw@network.UCSD.EDU  
Subject: Ten-Tec Scout Model 555 - ?  
To: info-hams@ucsd.edu

sgray@panix.com (Steven Gray) writes:

> So I actually took 5 minutes to read my June, 1993 QST last night, and was  
> surprised to see under "New Products" on page 51 a brief paragraph  
> about a new portable HF rig from Ten-Tec.  
>  
> It looks like it is the rig I've been looking for (QTH is New York city),  
> and depending upon the size, it might be a new addition to my over-the-  
> shoulder bag.  
>  
> I haven't seen anything about this on the net - does anyone have any ideas  
> or experience with this rig?  
>

I saw this rig (protpype?) at Dayton. It looks pretty good. I called  
TEN-TEC this morning and they said that it would be available hopefully  
bu the end of July. The following is the text of their "slick" ad.

TEN-TEC SCOUT Model 555

Back to Basics - With Real Performance

SIMPLE: SSB or CW, just sit down and operate! Master every feature  
in a few minutes - no modern rig is as easy to use. Simply plug in  
the desired band module and work any band 160-10 meters including  
WARC.

SMALL: At half the size of other "small" transceivers, SCOUT makes  
mobile and portable operation a cinch. This travel companion even  
fits in a briefcase. Try that with other HF rigs!

SELECTIVE: Revolutionary, patented "Jones" filter. A variable  
bandwith 8 pole crystal filter from 500 Hz to 2.5 KHz. The right  
filter for every band condition at the turn of a knob. No need to  
buy expensive accessory filters.

POWERFUL: 50 watts output is enough power to work the world, even  
for a new ham. And power to spare for the skilled amateur. Runs  
directly off 12 volts, even the cigarette lighter in your car for  
easy installation.

SMART: TEN-TEC's exclusive "FLS" frequency lock system keeps VFO  
virtually drift free regardless of temperature variations. THE

"RISC" microprocessor running at 5 MIPS also manages the large digital display and built-in iambic keyer.

LOW PRICE: At \$495, its closest competition is nearly twice the price. No other rig offers so much performance at so low a price.

SCOUT is "back to basics" and redefines value for the active amateur yearning for a second rig or the new ham searching for an affordable way to experience the world of HF communications.

FACTORY DIRECT \$495.00

Additional Band Modules: \$25.00 each

#### SCOUT ACCESSORIES:

Model 801, 160 meter plug-in band module

Model 802, 80 meter plug-in band module

Model 803, 40 meter plug-in band module

Model 804, 30 meter plug-in band module

Model 805, 20 meter plug-in band module

Model 806, 17 meter plug-in band module

Model 807, 15 meter plug-in band module

Model 808, 12 meter plug-in band module

Model 809, 10 meter plug-in band module (28.00-29.0 MHz)

Model 937, Power Supply - Matches SCOUT, 115 VAC, 60 Hz input. 13.8 VDC, 11 amp output @ 50% duty, 7 amp continuous. DC output binding posts, Fold-back current limiting, over voltage protection.

Model 297, Noise Blanker, effective on ignition and some impulse type line noise, field installable.

Model 296, Mobile bracket mounts on top or bottom of transceiver in 4 positions.

Model 607, Weighted key paddle, single paddle style with adjustable spacing.

Model 700C, Handheld mike, electret with coiled cord and 4 pin connector.

Model 291, 200 watt antenna tuner, "T" match circuit matches variety of unbalanced antenna systems.

#### GENERAL SPECIFICATIONS:

MODES: CW, LSB, USB (Normal sideband for the band in use)

FREQUENCY RANGE: All ham bands 160 through 10 meters available through plug in modules. Overshoot at upper and lower edges.

DISPLAY: 4 digit to 100 hz resolution, .56" LED

FREQUENCY CONTROL: Permeability tuned oscillator (PTO) mixed with a crystal oscillator for each band.

OFFSET TUNING: +/- 1 KHz nominal - receive

FREQUENCY ACCURACY: +/- 100 HZ @ 25 deg. C

ANTENNA: 50 ohms unbalanced. POWER REQUIRED: @12-14 VDC; 600 mA receive, 10 A transmit @ 50 watts out, 4.5 A @ 5 wats out.

CONSTRUCTION: G10 epoxy glass boards, most field replaceable. Molded plastic front panel, aluminum chasis, steel top and bottom.

DIMENSIONS: HWD 2.5" x 7.25" x 9.75" - 6.4 x 18.4 x 24.8 cm

WEIGHT: 5lbs, 3 oz - 2.4 kg

#### TRANSMITTER:

RF OUTPUT: 50 watts, ALC controlled internal adjustment to reduce power.

DC INPUT: 125 watts maximum @ vt 0% ducle r te.

MIH INT 2 5oact rosw 5  
6db)tpuolinge vfrtet  
SWNGT onB, oW

CKR:sta 50 W. C tyB lixi

CFFS

TE S Weeani  
ET: notoolesfr  
ERPRN:-4t

TDE - tla5 Kon  
HORDEITERM:lowtwo n wasPE

EEENI.tya0d4bndwidth.

SELECTIVITY: "Jones" 8 pole crystal filter front panel adjustable  
500 Hz to 2.4 KHZ

DYNAMIC RANGE: 85 dB @ 2.4 KHz bandwidth at 20 KHz spacing.

THIRD ORDER INTERCEPT: +1 dBm

NOISE FLOOR: -126 dBm typical

S-METER: Calibrated for 50 uV at S9

I-F FREQUENCY: 6.144 MHz

NOISE BLANKER: Optional plug-in board

AUDIO: 1 watt @ 8 ohms with less than 2% distortion

SPEAKER: 3 inch

Made in USA

...America's Best! TEN-TEC 1185 Dolly Parton Parkway Sevierville,  
TN 37862, U.S.A. Orders: 800-833-7373 Office: (615) 453-7172 Fax:  
(615) 428-4483 Repair Dept.: (615) 428-0364

(I do not work for TEN-TEC, I am just passing on some info)

I hope this helps,

73

Bruce



Thus meeting the letter of the law, by saying KODA, Houston. I know it's stupid, but I just engineer the stuff, I'm not responsible for program content! :)

--

Jim Reese, WD5IYT | "We need freedom of speech in this country so we can  
jreese@sugar.neosoft.com | identify all the jerks out there" --Ted Nugent

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End of Info-Hams Digest V93 #741

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